
ELLIOTT COUNTY

(Elliot County Water Service Area Map)

- Estimated 1999 population of 6,500--35% on public water
- Estimated 2020 population of 6,340--50% on public water
- 150 miles of water lines, with plans for 50 additional miles
- Estimated funding needs for public water 2000-2005: \$9,300,000
- Estimated funding needs for public water 2006-2020: \$0

Elliott County had an estimated population of 6,506 (2,534 households) in 1999 with a projected population of 6,340 (2,680 households) in 2020. Public water is provided to 713 customers, or about 35 percent of the county's residents. In areas of the county not served by public water, about 5 of 6 households rely on private domestic wells and 1 of 6 households rely on other sources. About 430 households will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
ELLIOTT								-
Sandy Hook W/D	47	429	1,700		3,000	4,000	600	9,300
Total	47	429	1,700		3,000	4,000	600	9,300

PUBLIC WATER SYSTEMS

One water district, Sandy Hook Water District, and one non-community system serve Elliott County.

SANDY HOOK WATER DISTRICT

PWSID:..... 0320383
System Type:..... COMMUNITY
Owner Type:..... WATER DISTRICT
Surface Source:
Purchase Source:
Well Source: Yes
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.35
Percent Daily Average Production:..... 63.00
Total Tank Storage Capacity (gallons):..... 160,000.00
Total Service Connections: 713.00
Number of Employees:..... 4.00

WATER SERVICE AREAS

ELLIOTT COUNTY

Kentucky

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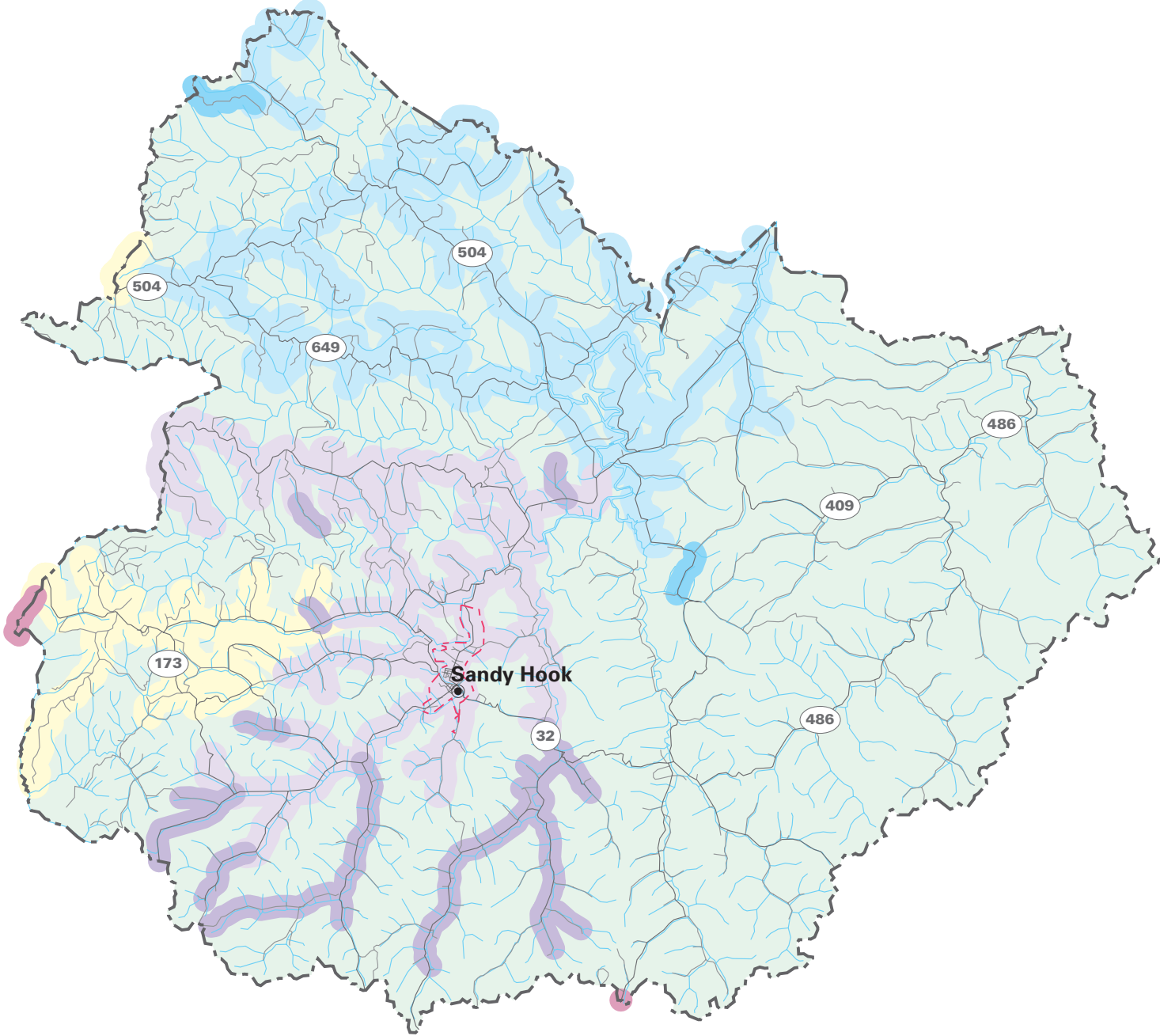
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WATER SERVICE STATUS BY OWNER			
EXISTING SERVICE AREA	PROPOSED SERVICE AREA		
		SANDY HOOK WATER DISTRICT	
		ROWAN WATER INCORPORATED	
		RATTLESNAKE RIDGE WATER DISTRICT	
		MORGAN COUNTY WATER DISTRICT	

Treatment Operator Class:	
Distribution Operator Class:.....	2BD
Customer Rate for 1,000 Gallons:.....	6.33
O/M costs 1997:.....	154,085.00
O/M costs per Service Connection:	217.94
Net Revenue 1997:.....	46,408.00
Total Water Produced 1997 (gallons):.....	53,642,000.00
Water Sold 1997 (gallons):.....	42,755,050.00
Unaccounted-for Water 1997 (%):	9.79

Sandy Hook Water District is the only water supplier in the County. Sandy Hook serves a population of 2,350 with 713 service connections. Water is supplied by four well sources and stored in two storage tanks.

Sandy Hook is projecting approximately 31 miles of water line extensions with an estimated cost of \$1,000,000. The projects will affect an estimated 320 customers. Sandy Hook has one project for 6-20 year. The project is approximately 2,500 feet with an estimated cost of \$7,500. The project will affect 6 customers.

OTHER SYSTEMS

ISONVILLE ELEMENTARY SCHOOL

Isonville Elementary School is located in Elliott County. The system serves a population of 140 and has 1 service connection. The local, non-transient, non-community system has treatment capacity of 7,200 gallons per day. The water source is wells.

PRIVATE DOMESTIC SYSTEMS

About 4,250 residents of Carter County rely on private domestic water supplies: 3,500 on wells and 750 on other sources.

Most wells in valley bottoms are adequate for domestic supply. In the southeastern half of the county, fewer than half of the wells on hillsides are adequate for domestic use and wells on hilltops produce smaller quantities of water. In the northwestern half of the county most of the wells drilled on hillsides are adequate for domestic supply and about half the wells on hilltops and ridges are adequate for domestic supply. Deep well penetrating thick sections of sandstone may yield enough water for small municipal or industrial supplies.

Water obtained from most wells of the northwestern part of the county is soft or moderately hard whereas most of the water from the southeastern part of the county is extremely hard. County wide, water contains noticeable amounts of iron. Salty water may be found less than 100 feet below the level of the principal valley bottoms.

A few springs supply sufficient quantities of water for domestic use, however yields are usually less than 5 gpm.
